

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)

Application Number		10500793
Filing Date		2005-01-31
First Named Inventor	Eldridge et al.	
Art Unit	1713	
Examiner Name	Pezzuto, Helen Lee	
Attorney Docket Number	56-04	

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	1	7025884		2006-04-11	Mueller et al.	
	2	6998054		2006-02-14	Jangbarwala et al.	
	3	6982037		2006-01-03	Horng et al.	
	4	6954738		2005-10-11	Wang et al.	
	5	6926832		2005-08-09	Collins et al.	
	6	6824685		2004-11-30	Katsu et al.	
	7	6864397		2005-03-08	Kondo et al.	
	8	6783681		2004-08-31	Mueller et al.	

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	9	6776913		2004-08-17	Jangbarwala	
	10	6613232		2003-09-02	Chesner et al.	
	11	6565748		2003-05-20	Wang et al.	
	12	6517723		2003-02-11	Daigger et al.	
	13	6491827		2002-12-10	Temple et al.	
	14	6464881		2002-10-15	Thoraval	
	15	6461514		2002-10-08	Al-Samadi	
	16	6436297		2002-08-20	Lebeau et al.	
	17	6416668		2002-07-09	Al-Samadi	
	18	6375848		2002-04-23	Cote et al.	
	19	6372143		2002-04-16	Bradley	

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	20	6355221		2002-03-12	Rappas	
	21	6338803		2002-01-15	Campbell et al.	
	22	6267892		2001-07-31	Wada et al.	
	23	6203705		2001-03-20	James et al.	
	24	6200471		2001-03-13	Nohren	
	25	6197193		2001-03-06	Archer	
	26	6171489		2001-01-09	Ballard et al.	
	27	6171487		2001-01-09	Rousseau et al.	
	28	6143717		2000-11-07	Hill	
	29	6120688		2000-09-19	Daly et al.	
	30	6110375		2000-08-29	Bacchus et al.	

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	31	6045694		2000-04-04	Wang et al.	
	32	6027649		2000-02-22	Benedek et al.	
	33	6020210		2000-02-01	Miltenyi	
	34	5932099		1999-08-03	Cote et al.	
	35	5876685		1999-03-02	Krulik et al.	
	36	5855790		1999-01-05	Bradbury et al.	
	37	5772891		1998-06-30	Yamasaki et al.	
	38	5728302		1998-03-17	Connor et al.	
	39	5707514		1998-01-13	Yamasaki et al.	
	40	5639377		1997-06-17	Banham et al.	
	41	5595666		1997-01-21	Kochen et al.	

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42	5547585		1996-08-20	Shepherd et al.	
43	5494582		1996-02-27	Goodman	
44	5464530		1995-11-07	Stivers	
45	5449522		1995-09-12	Hill	
46	5403495		1995-04-04	Kust et al.	
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	1	04087586	WO		2004-10-14	Sengupta et al.		<input type="checkbox"/>
	2	03082748	WO		2003-10-09	Nguyen et al.		<input type="checkbox"/>
	3	03057739	WO		2003-07-17	Eldridge et al.		<input type="checkbox"/>
	4	0244091	WO		2002-06-06	Galjaard		<input type="checkbox"/>
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	6	9851622	WO		1998-11-19	Yang		<input type="checkbox"/>
	7	9607675	WO		1996-03-14	Ballard et al.		<input type="checkbox"/>
	8	9607615	WO		1996-03-14	Nguyen et al.		<input type="checkbox"/>
	9	9321114	WO		1993-10-28	De Reuver et al.		<input type="checkbox"/>
	10	5949851	JP		1984-03-22	Takeshi	Abstract Only	<input type="checkbox"/>
	11	60132609	JP		1985-07-15	Fumitaka et al.	Abstract Only	<input type="checkbox"/>

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	12	09047761	JP		1997-02-18	Yoshie et al.		<input type="checkbox"/>
	13	11309354	JP		1999-11-09	None		<input type="checkbox"/>
	14	3938245	DE		1991-05-23	Lotze	In German	<input type="checkbox"/>
	15	749656	AU		2002-06-27	Nguyen et al.		<input type="checkbox"/>
	16	744706	AU		2002-02-28	Ballard et al.		<input type="checkbox"/>
	17	705434	AU		1999-05-20	Nguyen et al.		<input type="checkbox"/>
	18	2273701	GB		1994-06-29	Bleakly		<input type="checkbox"/>
	19	1559809	GB		1980-01-30	Northern Eng. Ind.		<input type="checkbox"/>
	20	1303566	EP		2003-04-23	Karlou-Eyrisch et al.		<input type="checkbox"/>
	21	0117096	EP		1984-08-29	Schubring		<input type="checkbox"/>
	22	0781255	EP		2000-07-19	Nguyen et al.		<input type="checkbox"/>

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23	0779899	EP		2000-02-02	Ballard et al.		<input type="checkbox"/>
24	0605826	EP		1997-08-06	Ishida et al.		<input type="checkbox"/>
25	0540485	EP		1996-05-22	Hagvist et al.		<input type="checkbox"/>

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	1	AMIAD Turbocelan Filters, http://www.amiadusa.com , Non dated	<input type="checkbox"/>
	2	Amy et al. (1999) "Interactions Between Natural Organic Matter (NOM) and Membranes: Rejection and Fouling," Water Sci Technol. 40(9):131-139	<input type="checkbox"/>
	3	Ariza et al. (2002) "Effect of pH on Electrokinetic and Electrochemical Parameter of Both Sub-Layers of Composite Polyamide/Polysulfone Membranes," Desalination 148:377-382	<input type="checkbox"/>
	4	Bourke et al. (Apr. 1999) "Scale-up of the MIEC DOC Process for Full Scale Water Treatment Plants," Water Corporation of WA., 18th Federal Convention, Australian Water, and Wastewater Association, Proceedings 11-14, Adelaide Australia	<input type="checkbox"/>
	5	Brattebo et al. (1987) "Ion Exchange for the Removal of Humic Acids in Water Treatment," Wat. Res. 21 (9):1045-1052	<input type="checkbox"/>
	6	Brown et al. (1974) "Anion Exchange Resin Performance in the Treatment of River Trent Water," Effluent Water Treat. J. 14:417-422	<input type="checkbox"/>

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7	Chai et al. (1998) "Charged Polyacrylonitrile Membranes Having Amphiphilic Quaternized Ammonium Groups for Ultrafiltration," Appl. Poly. Sci. 69(9):1821-1828	<input type="checkbox"/>
8	Childress et al. (2000) "Relating Nanofiltration Membrane Performance to Membrane Charge (Electrokinetic) Characteristics," Environ. Sci. Technol. 34:3710-3716	<input type="checkbox"/>
9	Cho et al. (2000) "Membrane Filtration of Natural Organic Matter: Comparison of Flux Decline, NOM Rejection, and Foulants During Filtration with Three UF Membranes," Desalination 127:283-298	<input type="checkbox"/>
10	Cho et al. (2000) "Membrane Filtration of Natural Organic Matter: Factors and Mechanisms Affecting Rejection and Flux Decline with Charged Ultra Filtration (UF)," J. Memb. Sci. 164:89-110	<input type="checkbox"/>
11	Cho et al. (1998) "Characterization of Clean and Natural Organic Matter (NOM) Fouled NF and UF Membranes, and Foulants Characterization," Desalination 118:101-108	<input type="checkbox"/>
12	Christy et al. (2002) "High-Performance Tangential Flow Filtration: A Highly Selective Membrane Separation Process," Desalination 144:133-136	<input type="checkbox"/>
13	Derwent Abstract Accession No. 86-281075/43, JP 61-204080A, Tokuyama Soda KK, 10 September 1986	<input type="checkbox"/>
14	Derwent Abstract Accession No. 92-288534/35, JP 04-197435, Sumitomo Chem. Co Ltd, 17 July 1992	<input type="checkbox"/>
15	Drikas et al. (Non dated) "Operating the Miex Process With Microfiltration of Coagulation,"	<input type="checkbox"/>
16	Drikas et al. (2002) "Removal of Natural Organic Matter – A Fresh Approach," Water Sci. Technol. 2(1):71-79	<input type="checkbox"/>
17	Eldridge, R.J. (1995) "Moving-Bed Ion Exchange with Magnetic Resins," Rev. Chem. Eng. 11(3):185-228	<input type="checkbox"/>

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18	Feed Materials Production Center (Non dated) "Potential Exposure Pathways," http://www.atsdr.cdc.gov/HAC/PHA/fer/fer_p2d.html	<input type="checkbox"/>
19	Fu et al. (1989) "Mechanistic Interactions of Aquatic Organic Substances with Anion-Exchange Resins," Aquatic Humic Resources, Am. Chem. Soc. :797-811	<input type="checkbox"/>
20	Galjaard et al. (2005) "Influence of NOM and Membrane Surface Charge on UF-Membrane Fouling," http://www.iwaponline.com/wio/2005/04/wio200504001.htm	<input type="checkbox"/>
21	Hach Webpage (Downloaded 01/05/2006) Browse by Parameter, Test for: copper, http://www.hach.com	<input type="checkbox"/>
22	Hach webpage (Downloaded 01/05/2006) DR/4000 Procedure, Methods8506 and Method 8026, http://www.hach.com	<input type="checkbox"/>
23	Harries et al. (1984) "Anion Exchange in High Flow Rate Mixed Beds," Effluent Water Treatment J. 24:131-139	<input type="checkbox"/>
24	Hongve, D. (1989) "Anion Exchange for Removal of Humus from Drinking Water. Calcium Improves the Efficiency of the Process," Water Res. 23(11):1451-1454	<input type="checkbox"/>
25	Kaiya et al. (2000) "Analysis of Organic Matter Causing Membrane Fouling in Drinking Water Treatment," Water Sci. Technol. 41(10-11):59-67	<input type="checkbox"/>
26	Kavitskaya et al. (2003) "Adsorption of Anionic Surface Active Substances(SAS) on Charged Membranes," Desalination 158:225-230	<input type="checkbox"/>
27	Kim et al. (Dec. 1991) "Using Anion Exchange Resins to Remove THM Precursors," Research and Technology J. AWWA 83:61-68	<input type="checkbox"/>
28	Kim et al. (2003) "Evaluation of UF Membranes for Effective Effluent Organic Matter (EfOM) Removal with Hydrophilic Polymer Additives," AWWA Membrane Technology Conference	<input type="checkbox"/>

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29	Kunin et al. (1980) "Removal of Humic Material from Drinking Water by Anion Exchange Resins," Activated Carbon Absorption of Organics from the Aqueous Phase, Vol. 2, Ann Arbor Science, Ann Arbor, pp.425-441	<input type="checkbox"/>
30	Lee et al. (2001) "Cleaning Strategies for Flux Recovery of An Ultra Filtration Membrane Fouled by Natural Organic Matter," Water. Resources 35(14):3301-3308	<input type="checkbox"/>
31	MIEX DOC US Technical Brochure, Downloaded 01/05/2006, http://www.miexresin.com	<input type="checkbox"/>
32	Morran et al. (non dated) "Miex and Microfiltration – A Winning Alliance,"	<input type="checkbox"/>
33	Morran et al. (1996) "A New Technique for the Removal of Natural Organic Matter," AWWA Watertec Convention, Sydney	<input type="checkbox"/>
34	Morran et al. (Mar. 1997) "A Simple Method to Reduce Disinfection By-Product Formation," 17th Federal Convention, Australian Water and Wastewater Convention, Proceedings 16-21, Melbourne Australia, pp:373-379	<input type="checkbox"/>
35	Mysels, K.J. (1959) Introduction to Colloid Chemistry, Interscience Publishers, New York, pp. 345	<input type="checkbox"/>
36	Naumczyk et al. (1989) "Organics Isolation from Fresh Drinking Waters by Macroporous Anion-Exchange Resins," Water Res. 23(12):1593-1597	<input type="checkbox"/>
37	Nguyen et al. (Mar. 1997) "DOC Removal by Miex Process, Scaling-up and Other Development Issues," 17th Federal Convention, Australian Wastewater Association, Proceedings 16-21, Melbourne Australia, pp.373-379	<input type="checkbox"/>
38	Odegaard et al. (1989) "Removal of Humic Substances by Ion Exchange," Aquatic Humic Resources, Am. Chem. Soc. :813-834	<input type="checkbox"/>
39	Slunjski et al. (Apr. 1999) "MIEX DOC Process – A New Ion Exchange Process," Australian Water Quality Centre, 18th Federal Convention, Australian Water and Wastewater Association, Proceedings 11-14, Adelaide Australia	<input type="checkbox"/>

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40	Stone et al. (1993) "Charged Microporous Membranes," Microelectronics Applications Notes	<input type="checkbox"/>
41	Thurman et al. (1989) "Separation of Humic Substances and Anionic Surfactants from Ground Water by Selective Absorption," Aquatic Humic Substances: Influence on Fate and Transformation of Pollutants, American Chemical Society :107-114	<input type="checkbox"/>
42	van Breemen et al. (1979) "The Fate of Fluvic Acids During Water Treatment," Wat. Res. 13:771-779	<input type="checkbox"/>
43	Wlimelech et al. (1996) Water treatment Technology Program Report No. 10, December, U.S. Department of the Interior, Bureau of Reclamation	<input type="checkbox"/>
44	Xenopoulos et al. (2003) Abstract from the Meeting of the North American Membrane Society, Biomedical Applications/ Bioseparations section of May 19, 2003, http://www.che.utoledo.edu/nams/2003/viewpaper.cfm?ID=426 , accessed May 28, 2004	<input type="checkbox"/>

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Please see 37 CFR 1.97 and 1.98 to make the appropriate selection(s):

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OR

☐ That no item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement. See 37 CFR 1.97(e)(2).

☐ See attached certification statement.

☐ Fee set forth in 37 CFR 1.17 (p) has been submitted herewith.

☒ None

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A signature of the applicant or representative is required in accordance with CFR 1.33, 10.18. Please see CFR 1.4(d) for the form of the signature.

Signature	/ellenwinner/	Date (YYYY-MM-DD)	2006-06-23
Name/Print	Ellen P. Winner	Registration Number	28547

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